

Abstract

Catheter for the aspiration, fragmentation and removal
5 of removable material from hollow bodies, in particular
of thrombi and emboli from human blood vessels,
comprising a working head (11) which is displaceable
along a guide wire (6) independently thereof and is
arranged at the distal end of the catheter and which
10 has at least one lateral opening (14), the catheter
(10) having a flexible transport screw (13) which can
be rotated by means of a rotary drive (2) of a drive
unit (1), which rotary drive is a distance away from
the working head (11), and comprising a flexible tube
15 (12) surrounding the transport screw (13), connected to
the working head (11) and intended for removing the
detached thrombi and emboli fragments, and a cutting
tool, the transport screw (13) being in the form of a
shearing cutting tool cooperating with the opening (14)
20 of the working head (11), in order to comminute the
detached thrombi and emboli between the peripheral
borders (13a) of the transport screw (13) and borders
of the openings (14).